



IFW

PTO/SB/21 (09-04)

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

| | |
|------------------------|-----------------------|
| Application Number | 10/658,823 |
| Filing Date | September 8, 2003 |
| First Named Inventor | DeFrees, Ph.D., Shawn |
| Art Unit | 1651 |
| Examiner Name | Weber, Jon P. |
| Attorney Docket Number | 020014-013911US |

ENCLOSURES (Check all that apply)

- | | | |
|--|---|--|
| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement with PTO/SB/08B and Cited References AA-AM <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard |
|--|---|--|

Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | |
|--------------|------------------------------------|
| Firm Name | Townsend and Townsend and Crew LLP |
| Signature | |
| Printed name | Kevin Bastian |
| Date | December 20, 2004 |

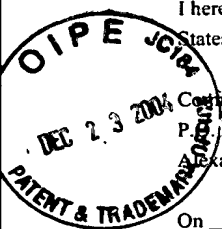
Reg. No. 34,774

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

| | |
|-----------------------|----------------|
| Signature | |
| Typed or printed name | Anna C. Kundel |

Date 12-20-04



I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
Attorney Docket No.: 020014-013911US

On December 20, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Shawn DeFrees

Application No.: 10/658,823

Filed: September 8, 2003

For: GLYCOSYLTRANSFERASE
INHIBITORS

Examiner: Weber, Jon P.

Art Unit: 1651

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

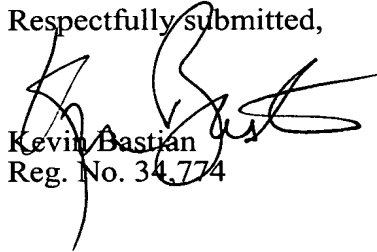
The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Also enclosed is a copy of the Search/Examination report corresponding to the European application.

(As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

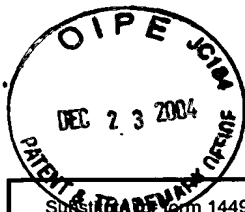
Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Kevin Bastian
Reg. No. 34,774

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
KLB:ack
60381903 v1



| | | | |
|---|------------------------|--------------------------|-----------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | |
| | | Application Number | 10/658,823 |
| | | Filing Date | September 8, 2003 |
| | | First Named Inventor | DeFrees, Ph.D., Shawn |
| | | Art Unit | 1651 |
| | | Examiner Name | Weber, Jon P. |
| Sheet 1 of 1 | Attorney Docket Number | 020014-013911US | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | AA | INOKUCHI, J-I, et al., "Preparation of the active isomer of 1-phenyl-2-decanoylamino-3-morpholino-1-propanol, inhibitor of murine glucocerebrosidase synthetase," <u>Journal of Lipid Research</u> , 1987, pp. 565-571, Vol. 28, Bethesda, MD, US | |
| | AB | KATO, S. et al., "Inhibition of lipid-linked oligosaccharide synthesis by aryl phosphates," <u>The Biochemical Journal</u> , April 15, 1981, pp. 71-79, Vol. 196, No. 1, The Biochemical Society, London. | |
| | AC | LEE, L., et al., "Improved Inhibitors of Glucosylceramide Synthase," <u>The Journal of Biological Chemistry</u> , May 21, 1999, pp. 14662-14669, Vol. 274, No. 21, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD, US | |
| | AD | MEAD, R., et al. "Inhibition of Purified Rabbit Muscle Phosphorylase a and Phosphorylase b by Polychlorinated Biphenyls, Polychlorinated Biphenyls and Polybrominated Biphenyls," <u>Biochimica et Biophysica Acta</u> , 1982, pp. 173-179, Vol. 701, No. 2, Elsevier Biomedical Press. | |
| | AE | MITRANIC, M., et al., "The Effect of Linoleic Acid and Benzyl Alcohol on the Activity of Glycosyltransferases of Rat Liver Golgi Membranes and Some Soluble Glycosyltransferases," <u>Biochimica et Biophysica Acta</u> , 1982, pp. 75-84, Vol. 693, No. 1, Elsevier Biomedical Press | |
| | AF | OLSHEFSKI, R., et al, "Synthesis, Shedding, and Intercellular Transfer of Human Medulloblastoma Gangliosides: Abrogation by a New Inhibitor of Glucosylceramide Synthase," <u>Journal of Neurochemistry</u> , 1998, pp. 467-472, Vol. 70, No. 2, Lippincott-Raven Publishers, Philadelphia, PA, US. | |
| | AG | SCUDDER, P., et al., "Glycosyltransferases of the Human Cervical Epithelium I. Characterization of a β -Galactoside α -2-L-Fucosyltransferase and the Identification of a β -N-Acetylglucosaminide α -3-L-Fucosyltransferase," <u>Biochimica et Biophysica Acta</u> , 1981, pp. 128-135, Vol. 660, No. 1, Elsevier/North-Holland Biomedical Press. | |
| | AH | SHIMIZU, T., et al., "Partial Purification and Characterization of UDPG: t-Cinnamate Glucosyltransferase in the Root of Sweet Potato, <i>Ipomoea batatas</i> Lam," <u>J. Biochem.</u> , 1984, pp. 205-212, Vol. 95, No. 1. | |
| | AI | TUDEK, B., et al., "Activity of <i>Escherichia coli</i> DNA-glycosylases on DNA damaged by methylating and ethylating agents and influence of 3-substituted adenine derivatives," <u>Mutation Research</u> , 1998, pp. 169-176, Vol. 407, No. 2, Elsevier | |
| | AJ | VUNNAM, R., et al., "Analogues of Ceramide That Inhibit Glucocerebrosidase Synthetase in Mouse Brain," <u>Chemistry and Physics of Lipids</u> , 1980, pp. 265-278, Vol. 26, Elsevier/North-Holland scientific Publishers, Ltd. | |
| | AK | WARREN, K., et al., "Glycosyltransferases of Rat Brain that Make Cerebrosides: Substrate Specificity, Inhibitors, and Abnormal Products," <u>Journal of Neurochemistry</u> , 1976, pp. 1063-1072, Vol. 26, Pergamon Press, UK. | |
| | AL | WIEWIG, G., et al., "Dependence of Starch Synthase Activity From Maize Leaves on Light, pH and Redox State," <u>Acta Physiologica Latino Americana</u> , 1976, pp. 415-423, Vol. 26, No. 5. | |
| | AM | DATABASE BIOSIS Online: THANIYAVARN, S., et al., "Pyridine Analogs Inhibit the Glucosyl Transferase EC-2.4.1.5 of Streptococcus-Mutans," <u>Infection and Immunity</u> , 1982, 1 page, Bioscience Information Service, Philadelphia, PA, US. | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.